p1103: Expand Product of Linear Binomials (v24)

Question 1

Expand the product of linear binomials. $(x - 7)(x - 8)$

$$x^2 - 8x - 7x + 56$$

$$x^2 - 15x + 56$$

Question 2

Expand the product of linear binomials. $(x - 2)(x + 8)$

$$x^2 + 8x - 2x - 16$$

$$x^2 + 6x - 16$$

Question 3

Expand the product of linear binomials. $(x + 9)(x + 9)$

$$x^2 + 9x + 9x + 81$$

$$x^2 + 18x + 81$$

Question 4

Expand the product of linear binomials. $(-7x - 8)(-x + 8)$

$$7x^2 - 56x + 8x - 64$$

$$7x^2 - 48x - 64$$

Question 5

Expand the product of linear binomials. $(-5x + 5)(-8x - 2)$

$$40x^2 + 10x - 40x - 10$$

$$40x^2 - 30x - 10$$

Question 6

Expand the product of linear binomials. $(x + 5)(x - 1)$

$$x^2 - x + 5x - 5$$

$$x^2 + 4x - 5$$

Question 7

Expand the product of linear binomials. $(-4x - 6)(-6x + 3)$

$$24x^2 - 12x + 36x - 18$$

$$24x^2 + 24x - 18$$

Question 8

Expand the product of linear binomials. $(x - 6)(x + 1)$

$$x^2 + x - 6x - 6$$

$$x^2 - 5x - 6$$

Question 9

Expand the product of linear binomials. $(6x - 7)(-x + 2)$

$$-6x^2 + 12x + 7x - 14$$

$$-6x^2 + 19x - 14$$

Question 10

Expand the product of linear binomials. $(3x - 4)(-6x + 5)$

$$-18x^2 + 15x + 24x - 20$$

$$-18x^2 + 39x - 20$$